From: KENT Mavis D
To: Shaw, Steve M.; Chip Humphrey/R10/USEPA/US@EPA
Cc: Scott/PDX Dethloff (E-mail); Ken/SEA Trotman (E-mail); Stiffler, Mark; Nadermann, Kristin K.
Subject: RE: FE/PWO Performance Test
Date: 10/17/2005 08:21 AM

I concur with using PWO groundwater to refill Company Lake. I will connect with the NPDES person here at DEQ.

Mavis D. Kent
Cleanup & Emergency Response Section
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503-667-8414 X55008
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kent.mavis.d@deq.state.or.us

-----Original Message-----
From: Shaw, Steve M. [mailto:Steve.Shaw@Alcoa.com]
Sent: Friday, October 14, 2005 12:12 PM
To: 'Chip Humphrey/EPA10' (E-mail); KENT Mavis D
Cc: Scott/PDX Dethloff (E-mail); Ken/SEA Trotman (E-mail); Stiffler, Mark; Nadermann, Kristin K.
Subject: FE/PWO Performance Test

Chip, Mavis,
We have completed the electrical distribution to the FE/PWO system and energized PW 7 & 8 for continuous operation on October 5, 2005. Allowing for 30 days of production well pumping to achieve equilibrium in the aquifer, we are currently scheduling the performance monitoring to start November 7, 2005. If you have any comments regarding the performance monitoring plan, we'd appreciate getting those as soon as possible.

We have also completed the installation of the cap in Company Lake. We elected to use the clean soil stockpile that was generated from the excavation for the Troutdale Waste Water Treatment Plant. (You may recall we stockpile these soils in anticipation of constructing an onsite landfill). Soil was the preferred choice of cover material when we started the cap last year, until inclement weather halted the operation. We were able to complete the cap this year by dropping it in from the top of the dike.

Also for our consideration, we have the capability to refill Company Lake using production well water. There are two advantages to doing this, First, it will return this water body to its normal level and thus reduce its otherwise potentially abnormal influence on the performance test. Second it will more quickly submerge the new soil cap and reduce the effects of erosion by wind driven wave action on the cap.

Our NPDES allows for refilling the lake with production well water for the purpose of remediation of wet process residue as long as the FE wells are not used during that time. This provision was included in the permit in case we were forced to float a dredge in the lake in order to remove PR from of the deep holes. The cap is an integral part of the remediation of the process residue and submerging it is for the benefit of maintaining the cap. We believe we are therefore permitted to refill the lake with production well water.

If you concur that this step is both useful and permitted, please let me know and we will begin the process.

Steven M. Shaw
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